

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP PROGRAM
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

PROJECT INFORMATION

Project Title: Graham Mountain Catchment #1 Redevelopment **Project No.** 07-512

Region/GMU: Region 5/ Unit 31 **HPC:** Safford HPC

Project Type: Water Redevelopment

Project Description:

This project is a redevelopment of Game and Fish Catchment #367. The catchment is located on the Jernigan Ranch in Oak Draw. The catchment is functional but is outdated and in need of replacement. The catchment has a concrete apron that continually needs repair due to weather cracks and vegetation growing up through the seams. The drinker will only hold approximate ½ of its capacity due to a leak. The current 2,000-gallon capacity tank does not collect and hold enough during some years. This catchment needs to be reconstructed to provide a secure water source in the future. The project will be a complete renovation of the existing catchment within the same perimeter. During peak dry periods water must be hauled to supply the demand on this catchment. Because water-hauling capabilities within the department carries a heavy burden during the summer months the USFS fire crews have assisted in supplying water to this and the other catchments. With the redevelopment maintenance and water hauling demand should decrease.

Wildlife Species to Benefit: The project will benefit Mule Deer , White-tailed Deer and Javelina . All Small Game and Non-Game species will also benefit from the development of this project.

Possible Funding Partners: USFS, Southeastern AZ Sportsman Club

Implementation Schedule:

Beginning: November 2008

Completed: May 2009

NEPA Compliance: (if applicable)

Completed: Yes ____ No **X**

Projected Completion Date: If project is approved

PROJECT FUNDING

SBG Funds Requested: \$ 20490.00

Cost Share Funds: \$ 12000.00

Total Project Costs: \$ 32490.00

PARTICIPANT INFORMATION

Applicant: Joe A. Hall

(please print)

Telephone: (928) 428-2149

Address: 555 N. Greasewood Road

Tucson, Arizona

AGFD Contact and Phone No.

(If applicant is not AGFD personnel)

Coordinated with: Paul Puckett, Ed Jarhke

Date: July 2006, June 2007

Applicant's signature:	Date:
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SEND COMPLETED APPLICATIONS TO:

**Game Branch
2221 W. Greenway Rd.
Phoenix, AZ 85023
mdisney@azgfd.gov**

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES x NO

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?

No

NEED STATEMENT/PROBLEM ANALYSIS:

Arizona Game and Fish catchment #367 is obsolete and in need of replacement. The replacement will benefit wildlife with a larger storage capacity and less maintenance. The catchment is not operating to its capacity. The drinker is only capable of holding approximately ½ its capacity and the cement apron has vegetation growing through the cracks in the weather damage. The water storage will currently hold 2,000-gallons but because of the design and the repairs needed the catchment operates only at partial capacity. Because of the rainfall amounts and weather conditions water hauling to this catchment has increased over the past years. The department's development branch has attempted to repair the cement apron with a coating but was not successful because of equipment. In 2006 Paul Puckett from the departments development branch and I visited this catchment. His recommendation was to replace this catchment with the new design. This replacement would be more cost effective with less maintenance and water hauling required.

NEPA will be completed by the USFS Safford District if project is approved. District Wildlife Biologist Anne Casey is coordinating on this project.

PROJECT OBJECTIVES:

The replacement of this catchment would insure that a year round water source is available to wildlife. The increased water storage will require less water hauling needs and be available during peak periods. Available water in this area is limited depending upon rainfall and use by the livestock operator.

Current year survey data indicates for mule deer and whitetail in the unit remain low. With the habitat conditions and the possibility of future moisture fawn survival in both species could increase. A reliable water source for future needs is important in this area.

PROJECT STRATEGIES:

Replace the existing 2,000- gallon storage with an 18 ft fiberglass tank and 3ft walk in drinker. The current cement apron will be replaced with a sheet metal apron and fiberglass gutter to enhance the ability to collect and store water. A pipe rail fence will be constructed around the catchment and will replace the existing

(revised 6-05-2007)

Tpost and wire fence.

Utilize volunteer labor from the Southeastern Sportsman's Club and other interested groups to complete the project if possible.

An experienced person or persons from the departments development branch will be utilized for technical advise and assistance.

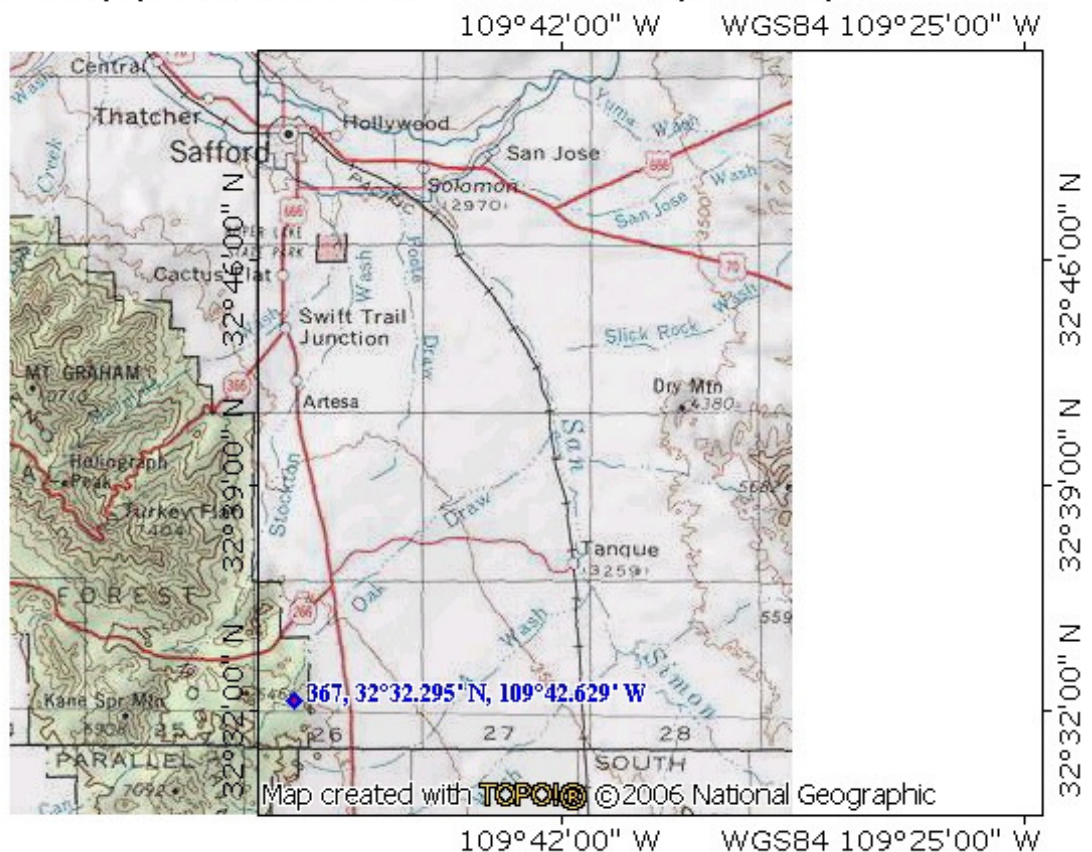
PROJECT LOCATION:

The project is located in Game Management Unit 31. The catchment is located in Oak Draw just east of FS road # 663.

T10S R26E NE ¼ NW ¼ Section 29

GPS location: N 32 32. 295' W 109 42. 629'

TOPO! map printed on 09/04/07 from "Map#367.tpo"



LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and

(revised 6-05-2007)

provide landowner's name):

The land is owned by the United States Government and managed by the United States Forest Service.

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

HABITAT DESCRIPTION:

Desert scrub

ITEMIZED USE OF FUNDS:

18ft fiberglass tank -	\$7567.00
Fiberglass gutter -	\$ 578.00
3ft walk-in drinker -	\$ 2700.00
sheet metal apron -	\$ 5945.00
150 x150 pipe rail fence -	\$ 2700.00
Concrete and plumbing -	\$ 1000.00
Labor & Expenses	<u>\$ 12000.00</u>
	\$ 32490.00

Labor and expenses may include but not limited to;

- 1) Development Employee for 40 hours / \$30 hour plus expenses and vehicle mileage at \$.441/2 cents mile round trip.
- 2) Volunteer labor and vehicle mileage at \$.441/2 per mile round trip to project site.

All costs and funds are only estimates provided by the Departments development branch. Pricing may change depending on the start date of the project and the cost of materials.

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AZGFD Region 5 personnel, AZGFD Sector 7 personnel, Southeastern Arizona Sportsman Club, USFS

PROJECT MONITORING PLAN:

One Department Development Branch employee will oversee the project and provide technical assistance. The District Wildlife Manager will conduct annual maintenance inspections and checks and randomly check the catchment throughout the year.

PROJECT MAINTENANCE:

When maintenance is required the catchment will be placed on the regional priority list and will be repaired by the AZGFD.

PROJECT COMPLETION REPORT TO BE FILED BY:

District Wildlife Manager will file Report at Project completion

WATER DEVELOPMENT PROJECTS (see attached worksheet):

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet):

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT NAME: Graham Mountain Catchment #1

- 1) **Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?"** Yes
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Paul Puckett, Ed Jarke July 2006 & June 2007
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**
___2-4 ___4-6 ___6-8 ___8-10 ___10-12 x12-14 ___14-16 ___>16
- 4) **Is there a perennial water source available to big game within four miles of this project?**
X YES (please complete #5 below) ___NO (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**
Name of water source: Oak Draw allotment
Type of water source (catchment, spring, dirt tank, etc.): Storage and troughs
Ownership of water source: USFS
Distance in miles from project: ½ mile
- 6) **Is the target wildlife species a result of transplant efforts?** ___YES xNO
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.**
- 8) **Please provide the following information about access to the proposed site:**
Type of access (mark one): x2x4 vehicles ___4x4 only ___foot only**
**If foot access only: Distance in miles: Approx. hiking time:
-- Does access to this site require crossing private or tribal lands? ___YES xNO
-- Please describe any restrictions to public access:
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**
18ft. fiberglass tank
fiberglass gutter
3ft. walk-in drinker
sheet metal apron 24ft x 72ft.
150-x150 pipe rail fence
Concrete
- 10) **Was a site visit completed?** x Yes ___No
If Yes, please list personnel that attended and date.
Paul Puckett July 2006